

TRIBOCOMP® PA66 CF10 TS5

Polyamide 66

EPIC Polymers

Message:

TRIBOCOMP® PA66 CF10 TS5 is a Polyamide 66 (Nylon 66) product filled with 10% carbon fiber. It is available in Europe.

General Information			
Filler / Reinforcement	Carbon Fiber,10% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.40	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.8	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	8100	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	160	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.5	%	ISO 527-2
Flexural Modulus (23°C)	7200	MPa	ISO 178
Flexural Stress (23°C)	190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	252	°C	ISO 75-2/B
1.8 MPa, Unannealed	250	°C	ISO 75-2/A
CLTE - Flow (23°C)	3.0E-5	cm/cm/°C	ISO 7991
Thermal Conductivity	0.40	W/m/K	ISO 22007
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	270 to 300	°C	
Middle Temperature	270 to 300	°C	
Front Temperature	285 to 300	°C	
Nozzle Temperature	285 to 310	°C	
Processing (Melt) Temp	< 300	°C	
Mold Temperature	80.0 to 160	°C	

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Recommended distributors for this material

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